

9/12/78

MATTEL VIDEO GAME SYSTEM

PARTS LIST

LOGIC BOARD:

DESIGNATION	P/N	DESCRIPTION	SOURCE
IC1	CP 1610	Microprocessor	G.I.
IC2	RA-3-9600	RAM	G.I.
IC3	RO-3-9504	20K ROM	G.I.
IC4	AY-3-8900	STIC	G.I.
IC5	RO-3-9503	16K ROM	G.I.
IC6	AY-3-8910	PSG	G.I.
IC7, IC8	3539	256 & 8 RAM	EMM-Semi
IC9	RO-3-9502	20K ROM	G.I.
IC10	AY-3-8915	Color	G.I.
IC11	7406	Hex Inverter	
Q1, Q2	2N3904	Transistor	
D1	IN4001	Diode	
R1, R5, R12	1K	$\frac{1}{4}$ W Resistor	
R2	27 Ω	$\frac{1}{4}$ W Resistor	
R3, R6, R15	TBD	$\frac{1}{4}$ W Resistor	
R19, R20, R21	TBD	$\frac{1}{4}$ W Resistor	
R22, R26, R27	TBD	$\frac{1}{4}$ W Resistor	
R4	330 Ω	$\frac{1}{4}$ W Resistor	
R7, R8	3.3K	$\frac{1}{4}$ W Resistor	
R9	560 Ω	$\frac{1}{4}$ W Resistor	
R10	10K		
R11	100 Ω		
R13, R14, R23	10 Ω		
R16	470 Ω		
R17	2K		
R18	200K		
R24, R25, R28	TBD	Trim Potentiometer	
R29			
XTAL	3.579MHz	Crystal	
RFX	1085	Modulator	Astec
C1	20 pf	Capacitor	
C2	5.50 pf	Trim cap	
C4-C24	.1 μ F	Cap.	
C25	100 pf	Cap.	
C26, C3	1 μ f	Cap.	
C27, C28, C29,	10 μ f	Tant. Cap.	
C30			
S1	SPST	Switch	
S2	SPDT	Switch	
P1		Connector	
P2		Connector	
P3		Connector	
P4		Connector	
J1		Connector	
J2		Connector	
J3		Connector	



MICROELECTRONICS DIVISION
GENERAL INSTRUMENT CORP.
HICKSVILLE, NEW YORK 11802

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POWER SUPPLY BOARD:

<u>DESIGNATION</u>	<u>P/N</u>	<u>DESCRIPTION</u>	<u>SOURCE</u>
IC1	ua 7805	5V regulator	
IC2	ua 7812	12V regulator	
D1-D8	IN4001	Diode	
D9	IN746A	3.3V Fener. Diode	
C1	11000 uf	16V Cap.	
C2, C3	100 uf	25V Cap.	
C4, C5, C6	.1 uf	Cap.	
R1	220 Ω	$\frac{1}{2}$ Watt Resistor	
T1		Transformer	

CARTRIDGE BOARD:

IC1, IC2	RO-3-9504	20K ROM	G.I.
C1	.1 uf	Cap.	



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